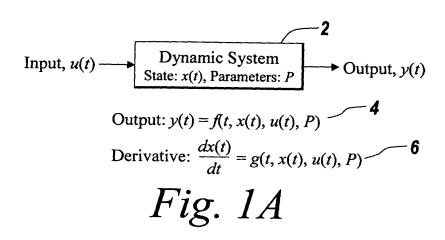
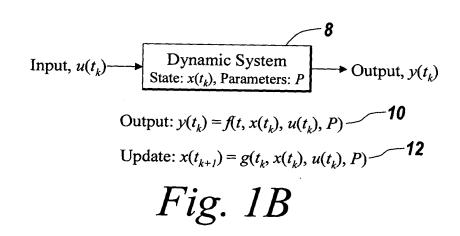
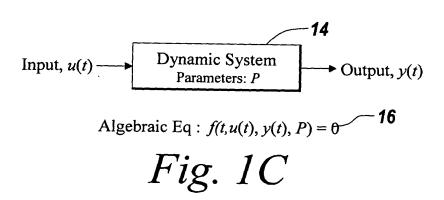
App No.: Not Yet Assigned Docket No.: MWS-024 Inventor: Pieter J. Mosterman, et al.

Title: AUTOMATED APPROACH TO RESOLVING ARTIFICIAL

ALGEBRAIC LOOPS







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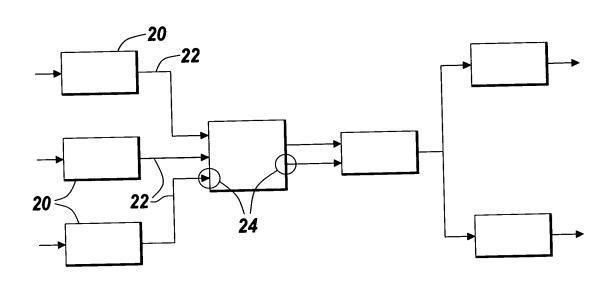


Fig. 2

$$u(t) = \frac{dx(t)}{dt} \xrightarrow{\text{State, } x(t)} y(t) = x(t)$$

$$x(t_0) = P_{IC}$$

Fig. 3

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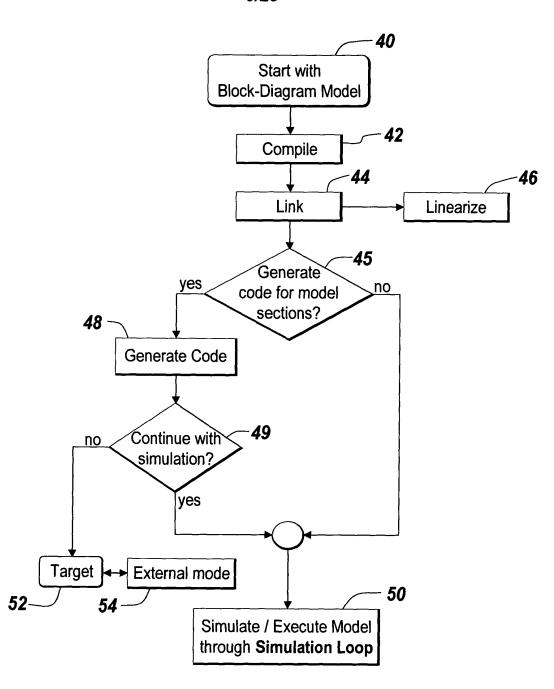


Fig. 4

App No.: Not Yet Assigned Docket No.: MWS-02 Inventor: Pieter J. Mosterman, et al.

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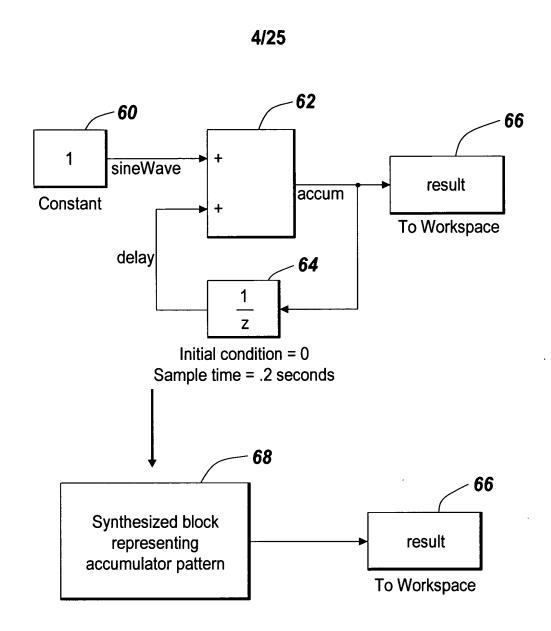
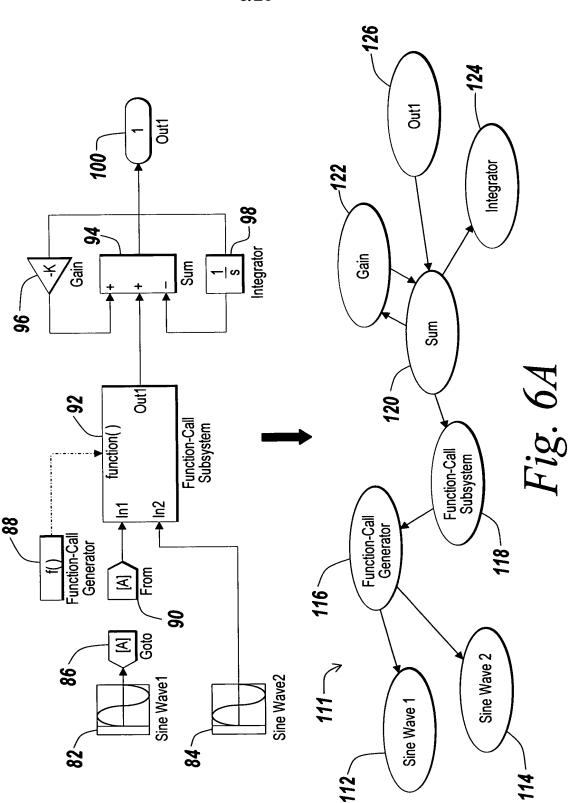


Fig. 5

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Sorted List:

## 0:0 Sine Wave 1

- 0:1 Sine Wave 2
- 0:2 Function-Call Generator
- 0:3 Function-Call Subsystem
- 0:4 Integrator
- 0:5 Gain (algebraic id 0#1)
- 0:6 Sum (algebraic variable for id 0#1)
- 0:7 Out1

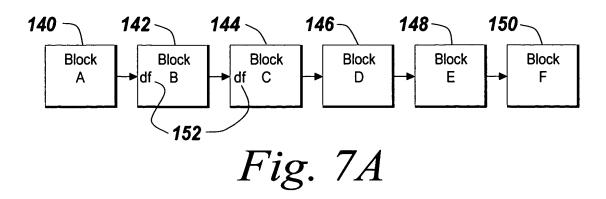
Fig. 6B

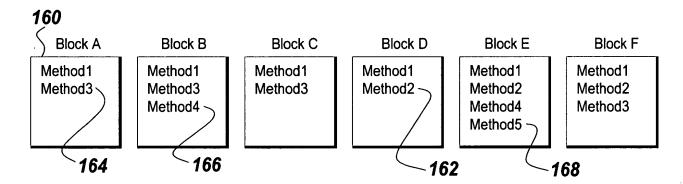
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*Fig.* 7*B* 

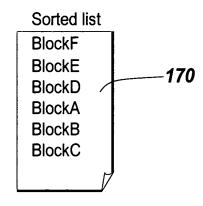
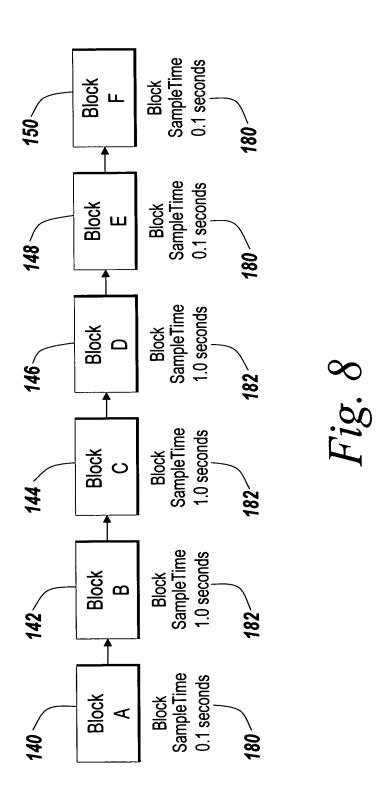


Fig. 7C

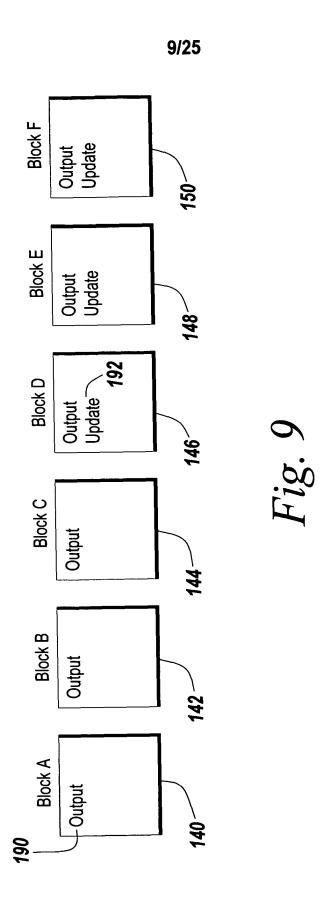
App No.: Not Yet Assigned Docket No.: MWS-02 Inventor: Pieter J. Mosterman, et al.

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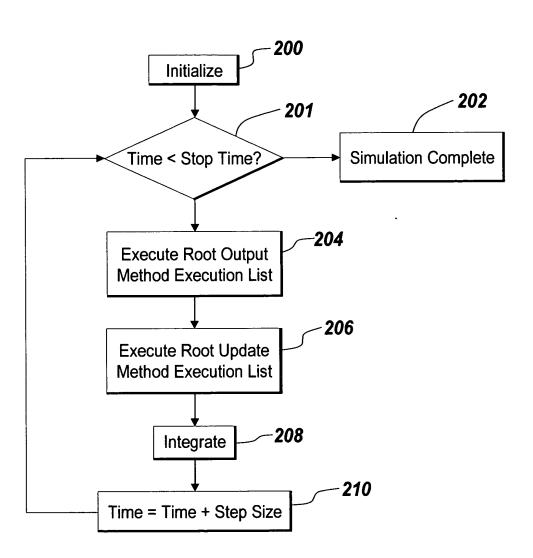
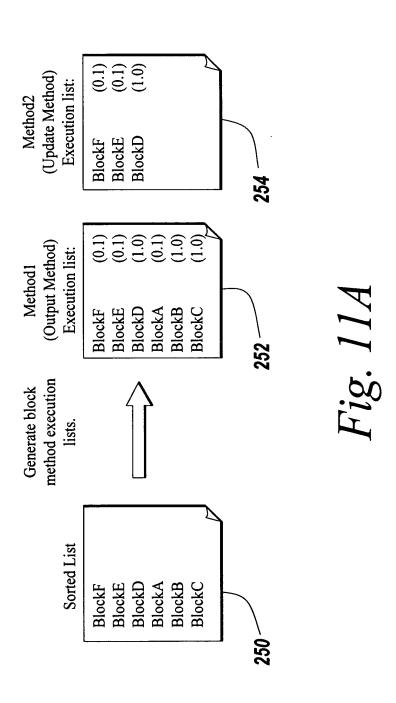


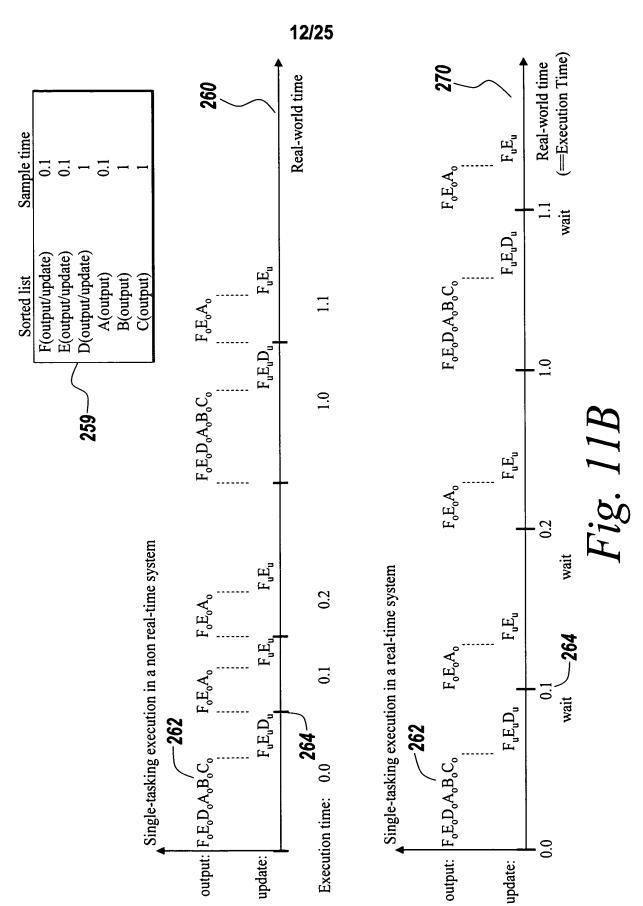
Fig. 10

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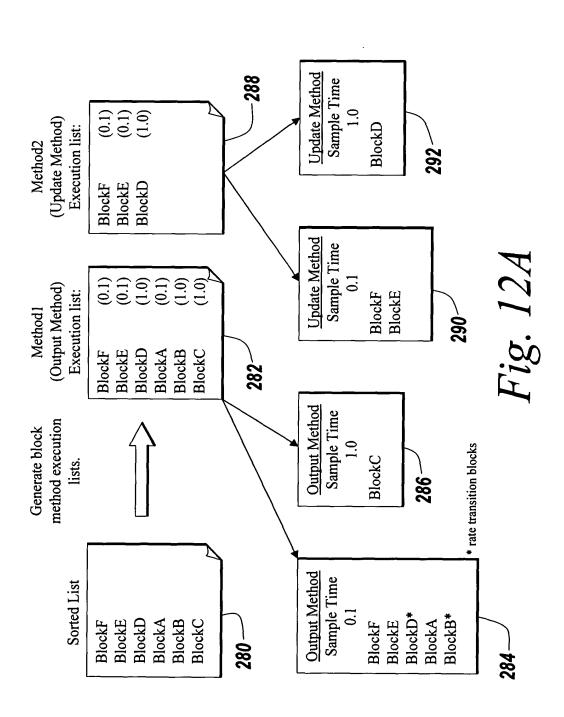
App No.: Not Yet Assigned Docket No.: MWS-02 Inventor: Pieter J. Mosterman, et al.
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App No.: Not Yet Assigned Docket No.: MWS-02 Inventor: Pieter J. Mosterman, et al.

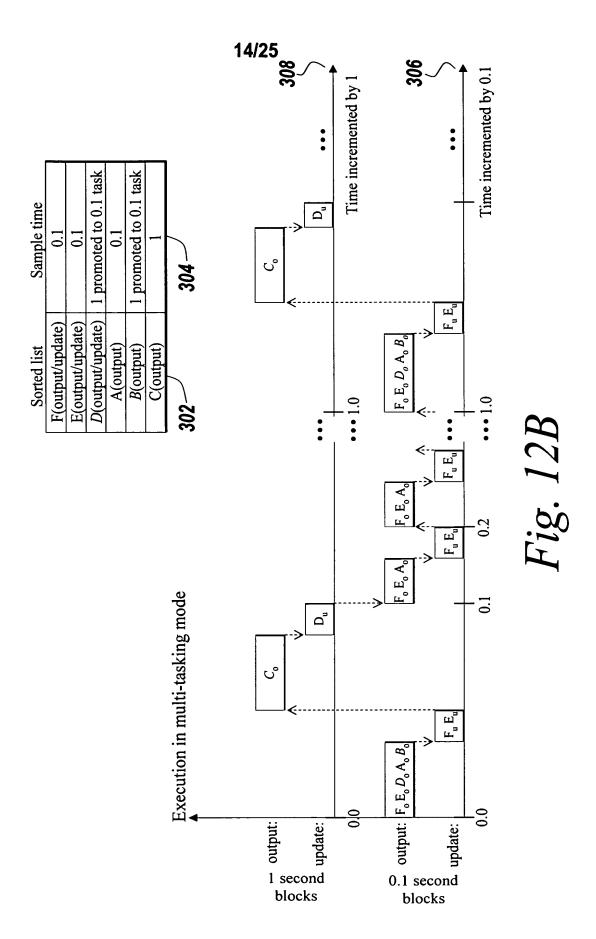
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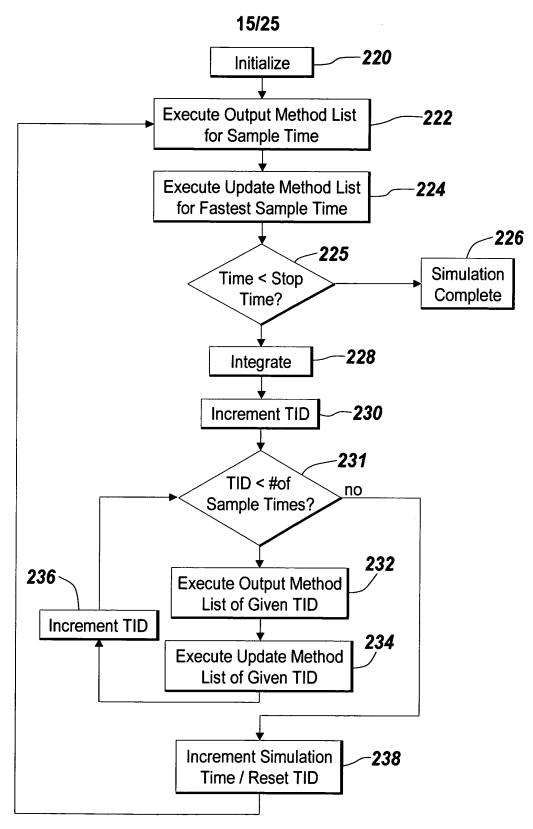


Fig. 13

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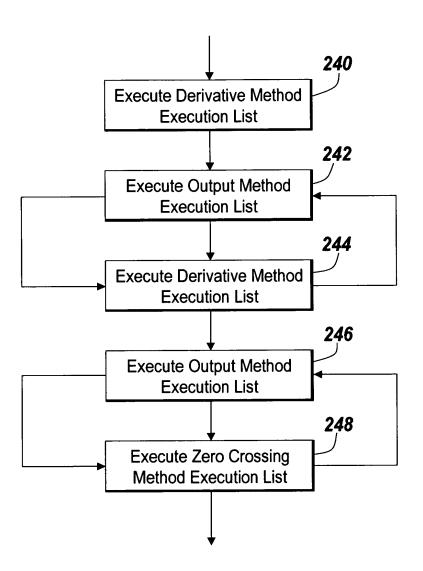
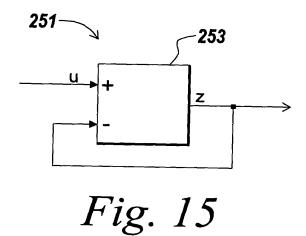


Fig. 14

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255 257a z2+z1-1 Solve Z f(z) = 0Display z1 Algebraic Constraint Sum -257b z2-z1-1 Solve f(z) = 0Display z2 Algebraic Constraint1 Sum1

Fig. 16

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CPU <u>311</u>	Display Device <u>312</u>
Keyboard <u>313</u> Electro	Mouse 314
<u>310</u>	
Primary Storage <u>315</u>	Secondary Storage 316
Network Interface 317	
Simulink® 318	

Fig. 17

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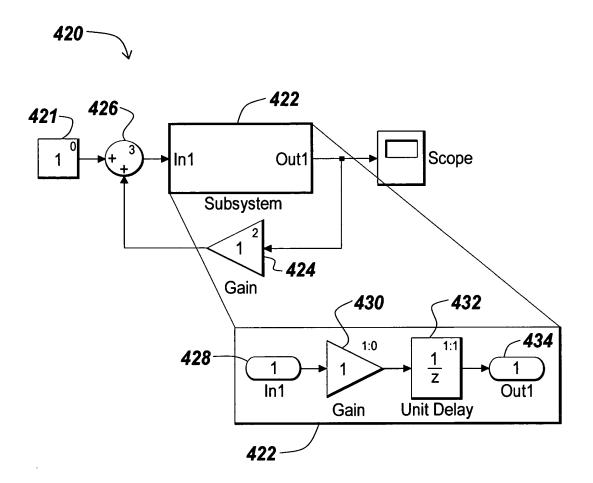
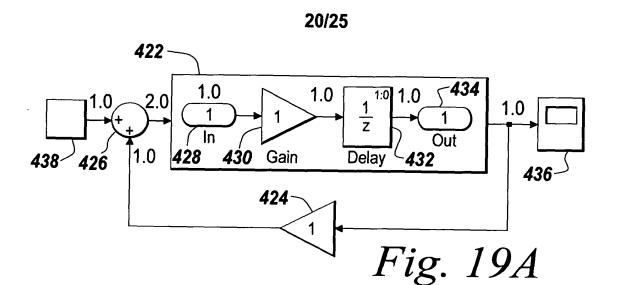
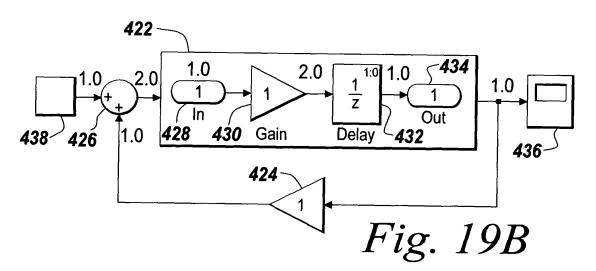


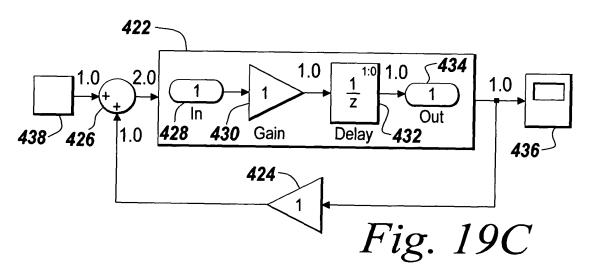
Fig. 18

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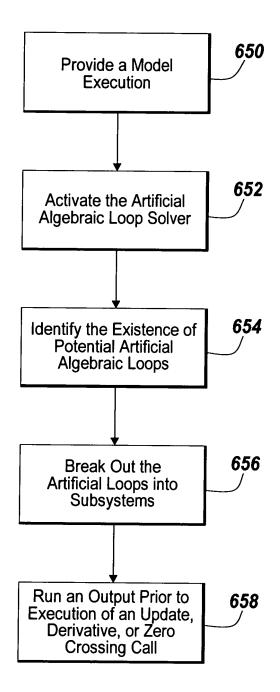


Fig. 20

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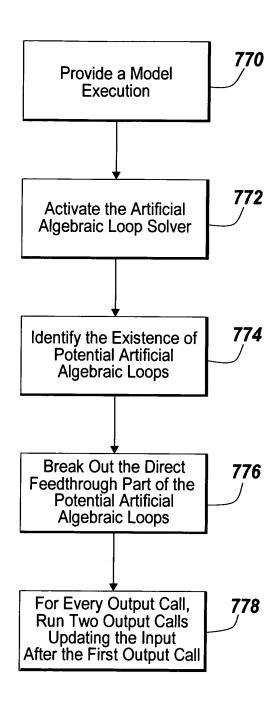


Fig. 21A

Inventor: Pieter J. Mosterman, et al.

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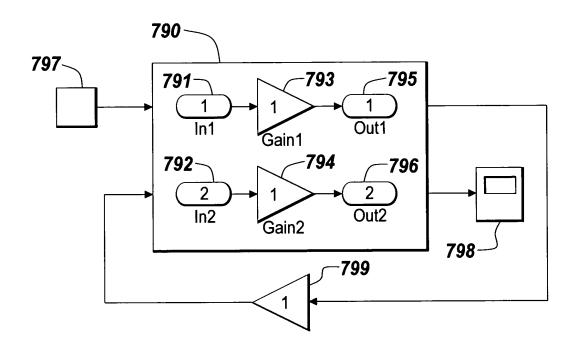


Fig. 21B

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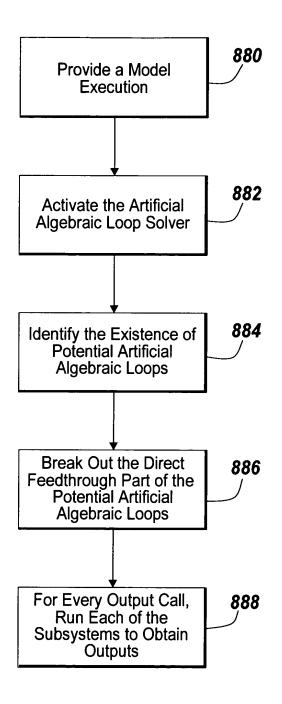


Fig. 22

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